

Fig.1

load conditio n	electron beam		conventional fixed target			vibrating target of invention (5 $\mu$ m vibration)		
	collision diameter	power	collision area	temperature	life	collision area	temperature	life
No.	s[ $\mu$ m]	[W]	S[ $\mu$ m <sup>2</sup> ]	T[K]	[hour]	S[ $\mu$ m <sup>2</sup> ]	T[K]	[hour]
1	1	0.32W	0.79	2,576	142	5.79	1,140	4.7E+27
2	1	0.35W	0.79	2,790	7	5.79	1,219	1.5E+21
3	1	0.86W	0.79	6,417	(evaporate)	5.79	2,557	189
4	1	1.0W	0.79	7,413	(evaporate)	5.79	2,925	1.3
						(10.79)	(2,217)	(82,381)
5	0.1	0.24W	0.0079	17,371	(evaporate)	0.51	2,423	169
		(0.32W)				1.01	(2,309)	(1,341)

Fig.2

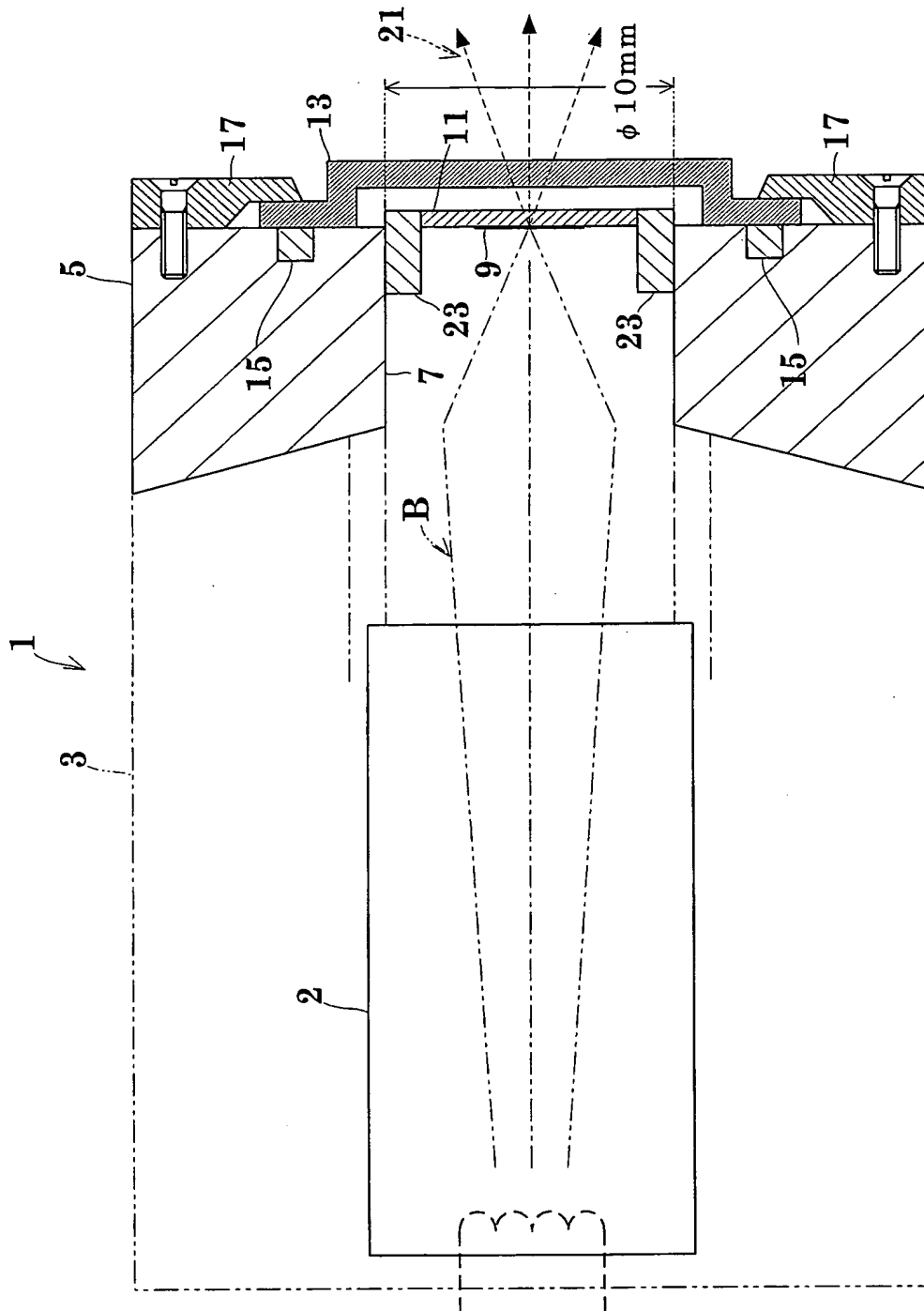


Fig.3

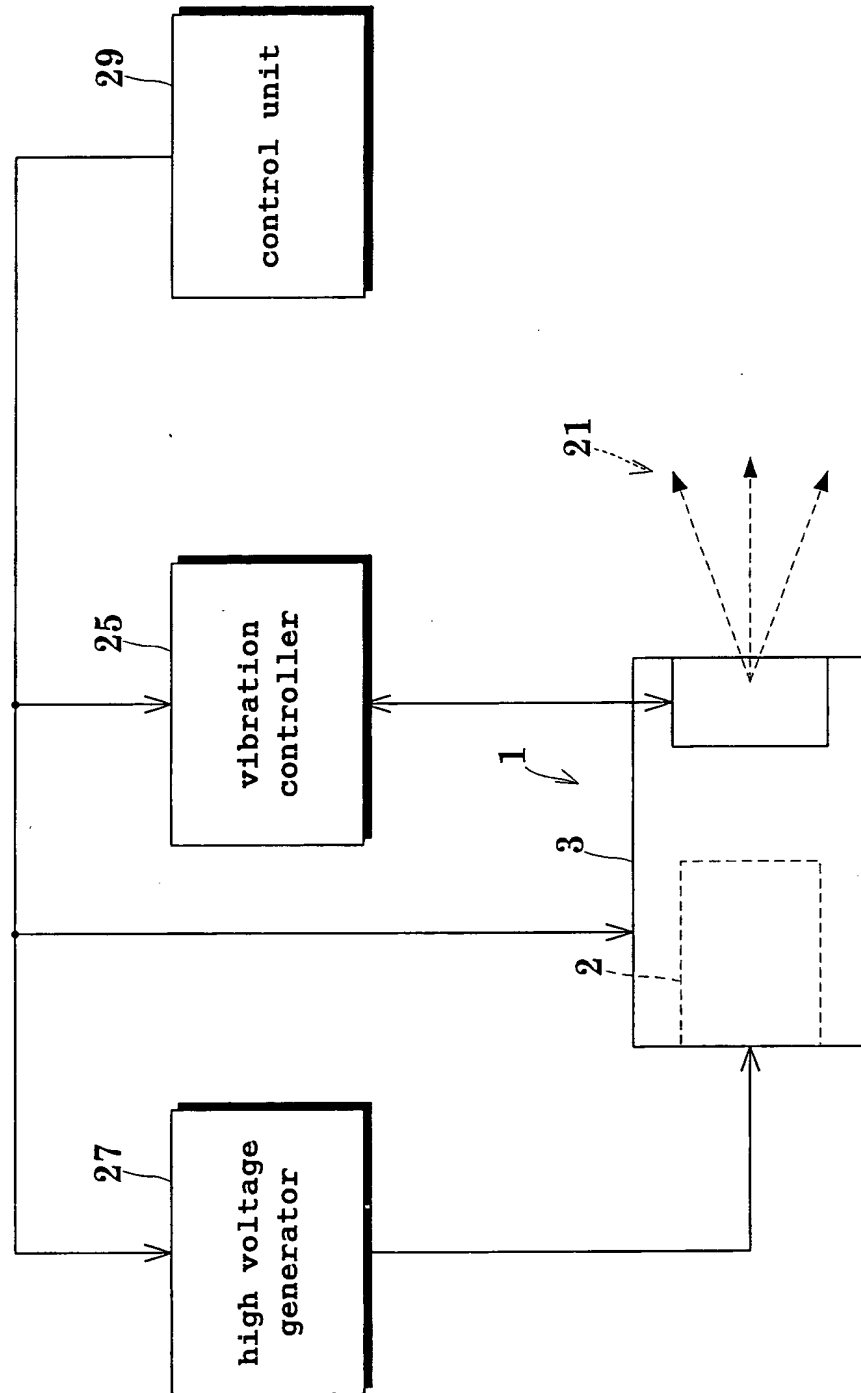


Fig.4

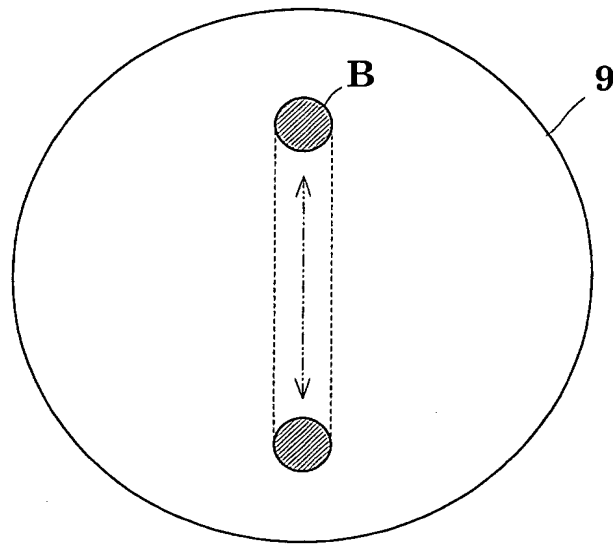


Fig.5

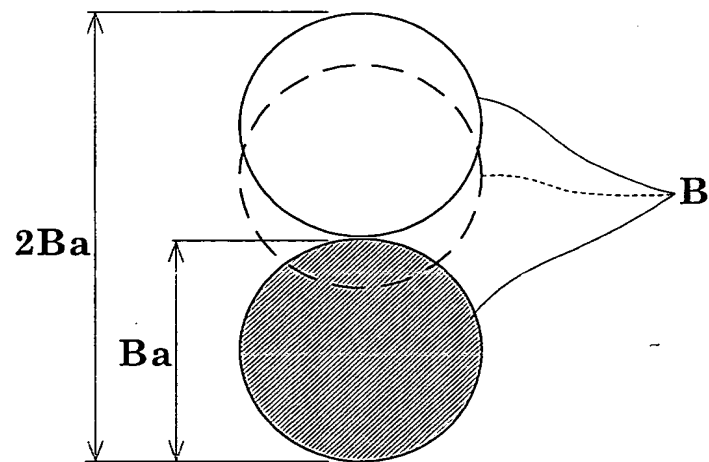


Fig.6

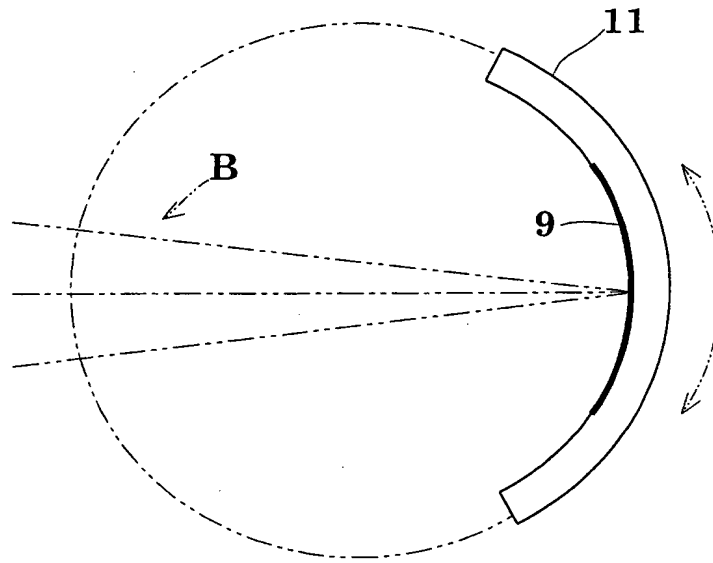


Fig.7

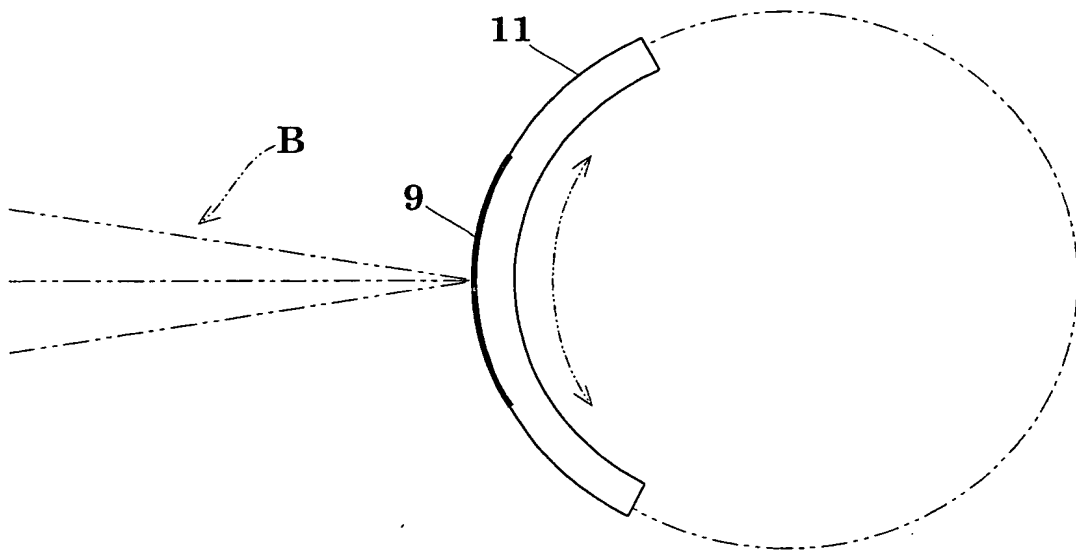


Fig.8

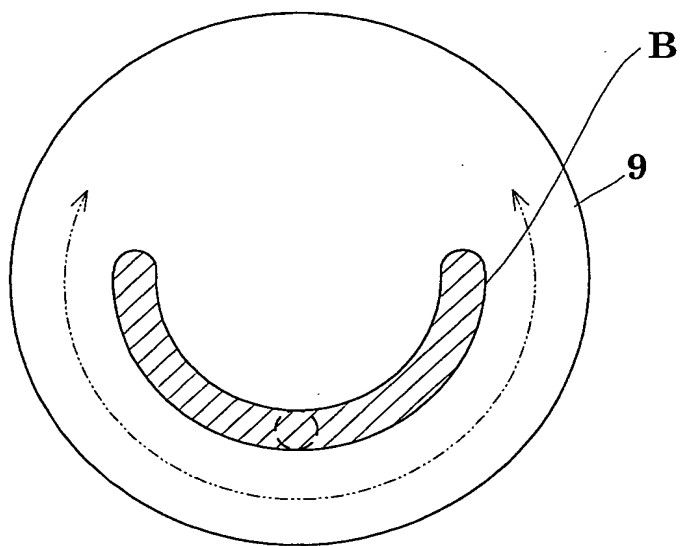


Fig.9

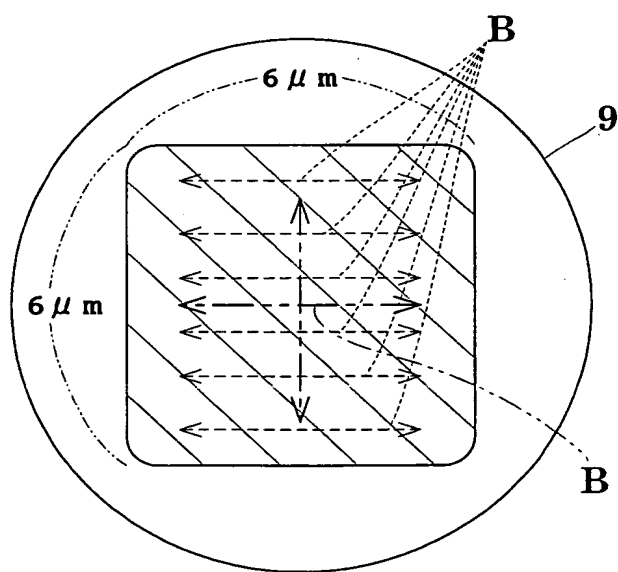


Fig.10B

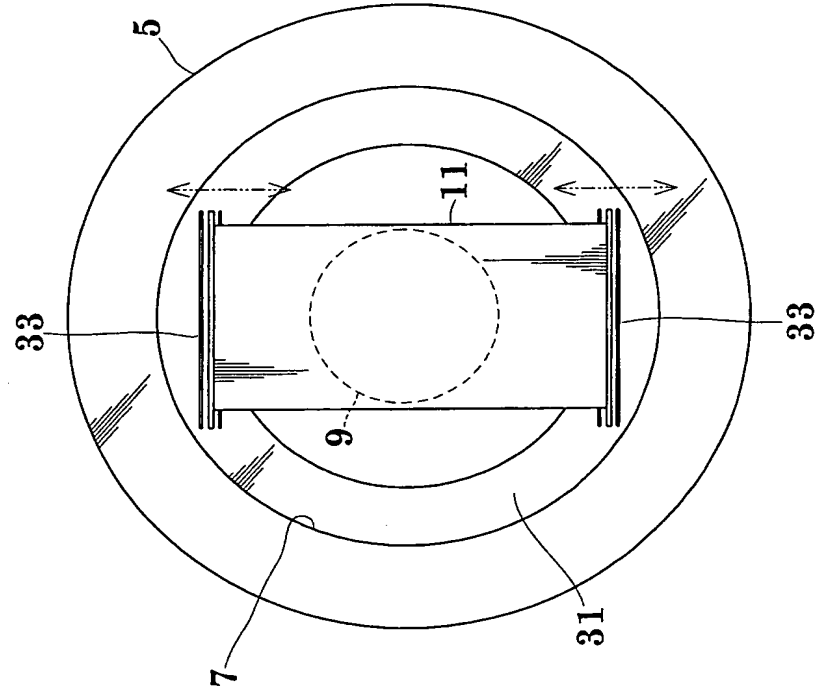


Fig.10A

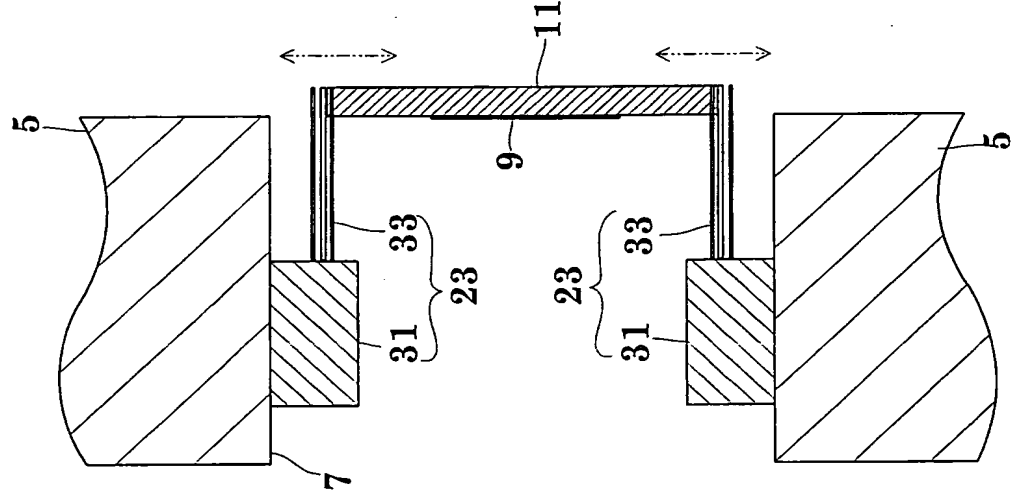


Fig.11B

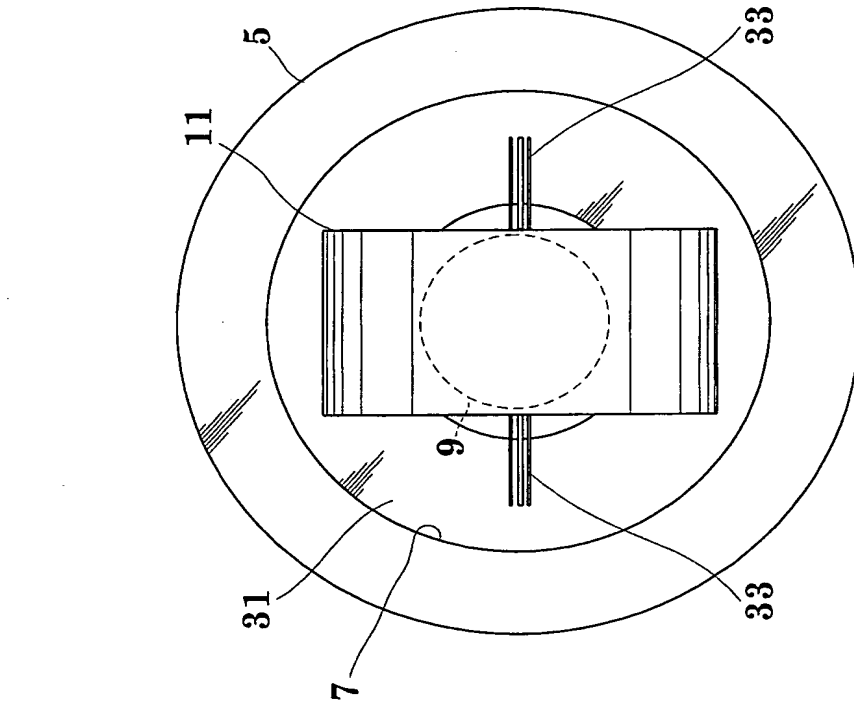


Fig.11A

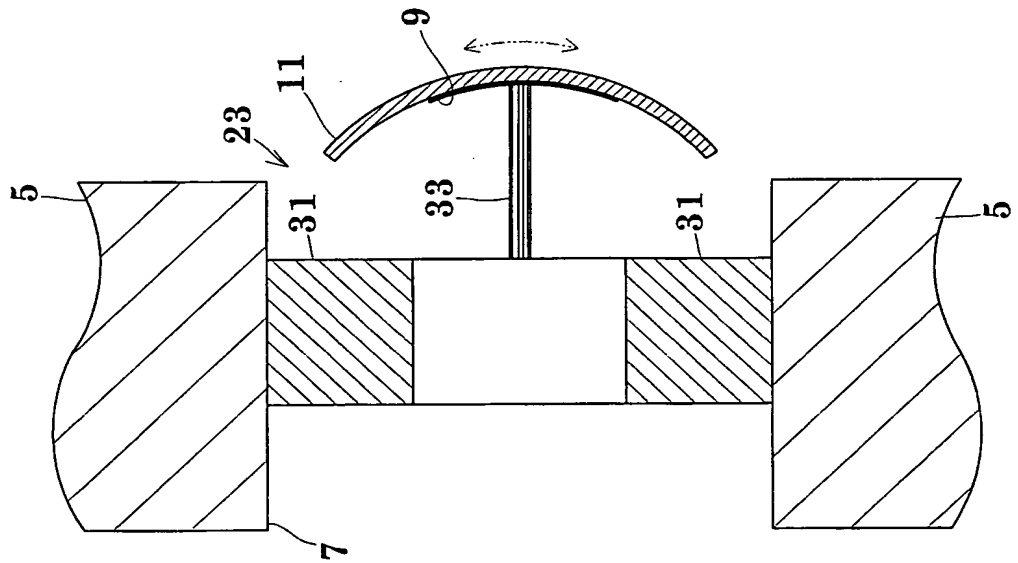






Fig.13B

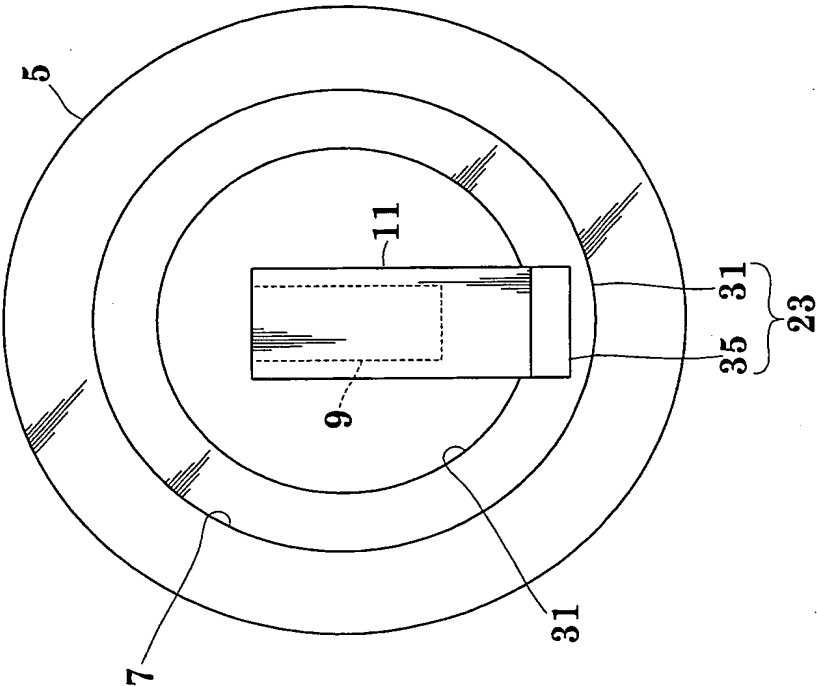


Fig.13A

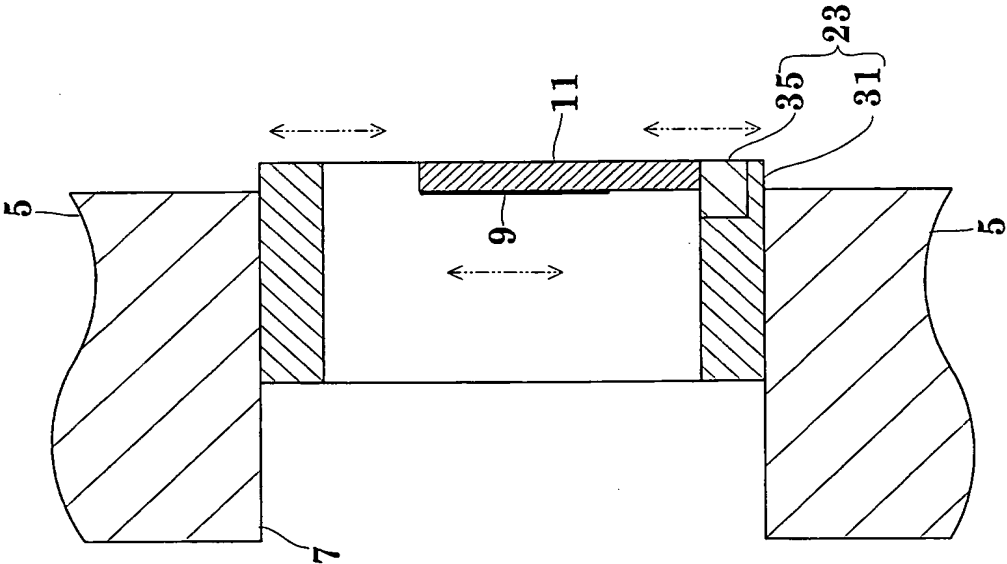


Fig.14B

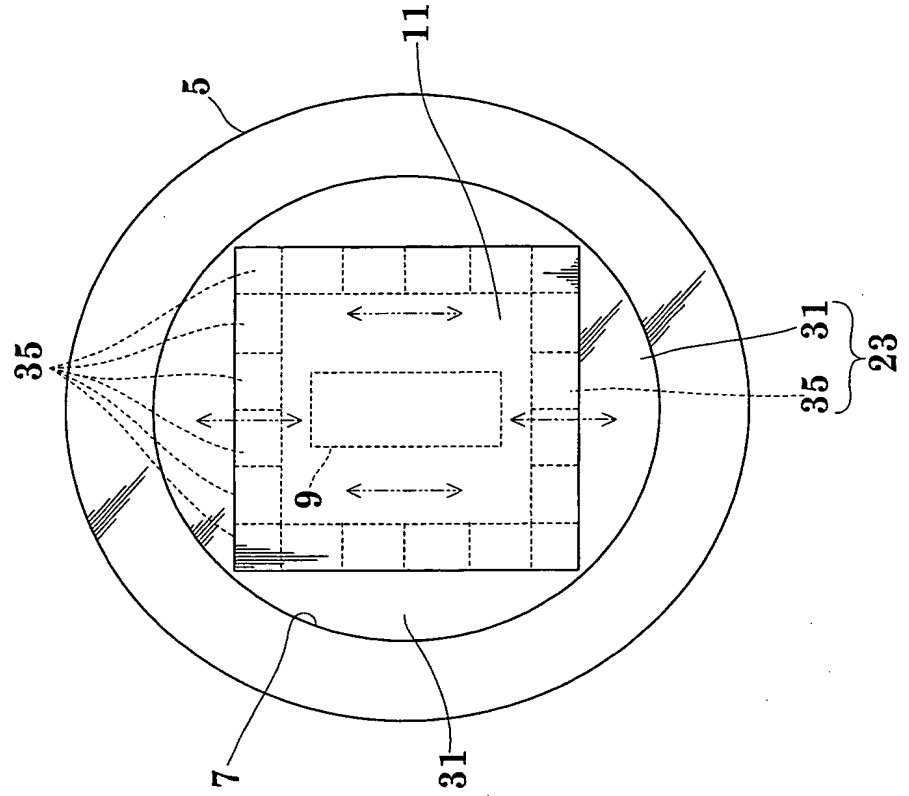


Fig.14A

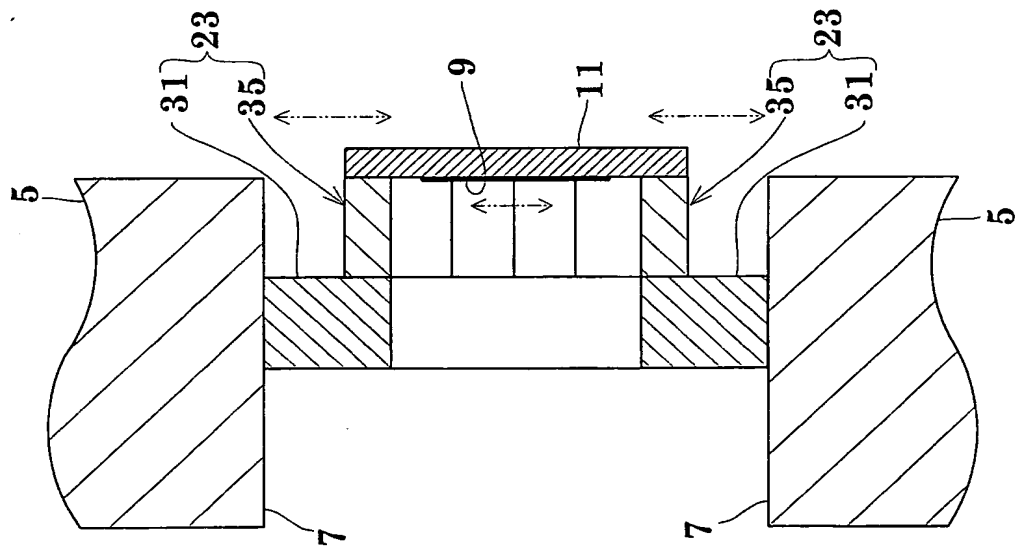


Fig.15B

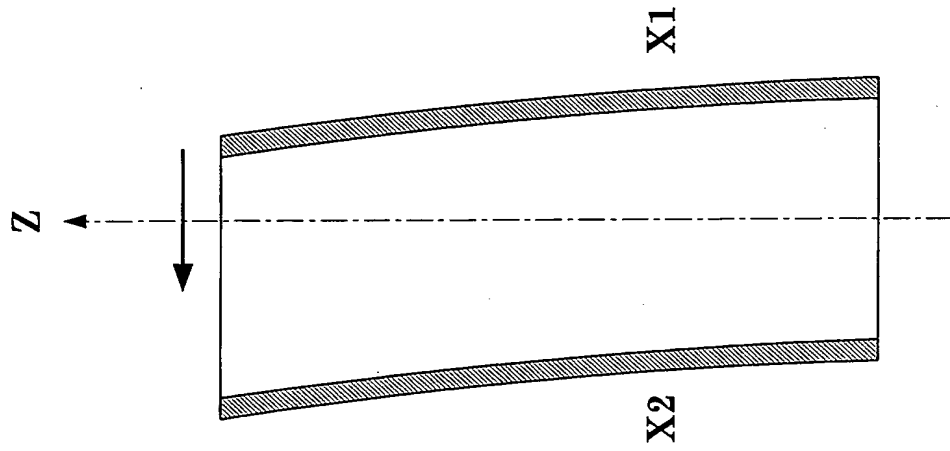


Fig.15A

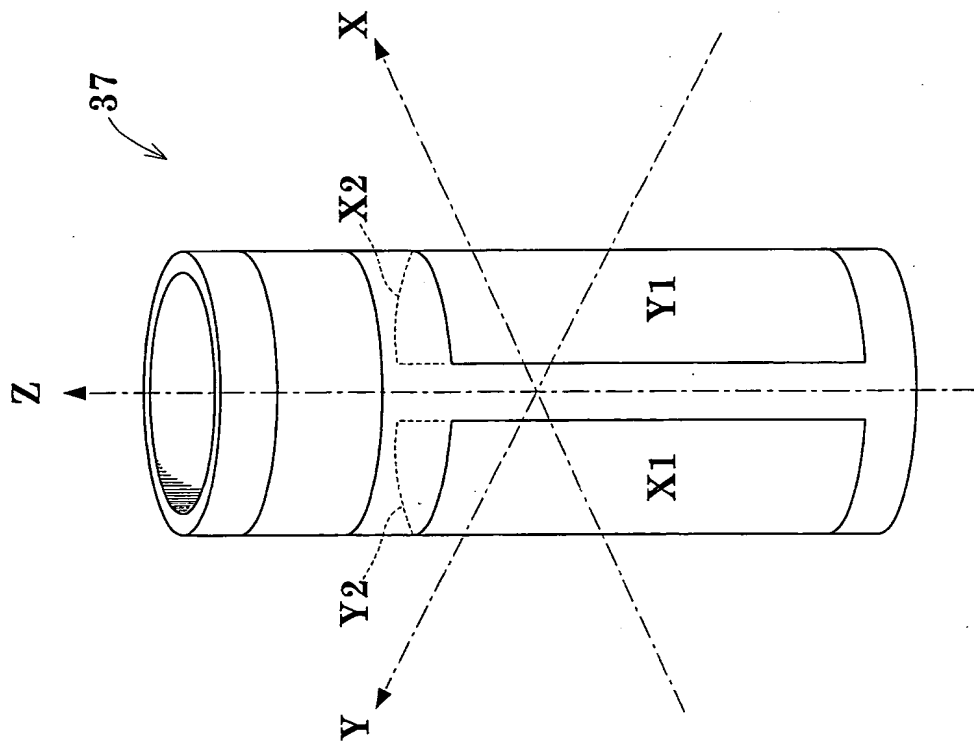


Fig.16B

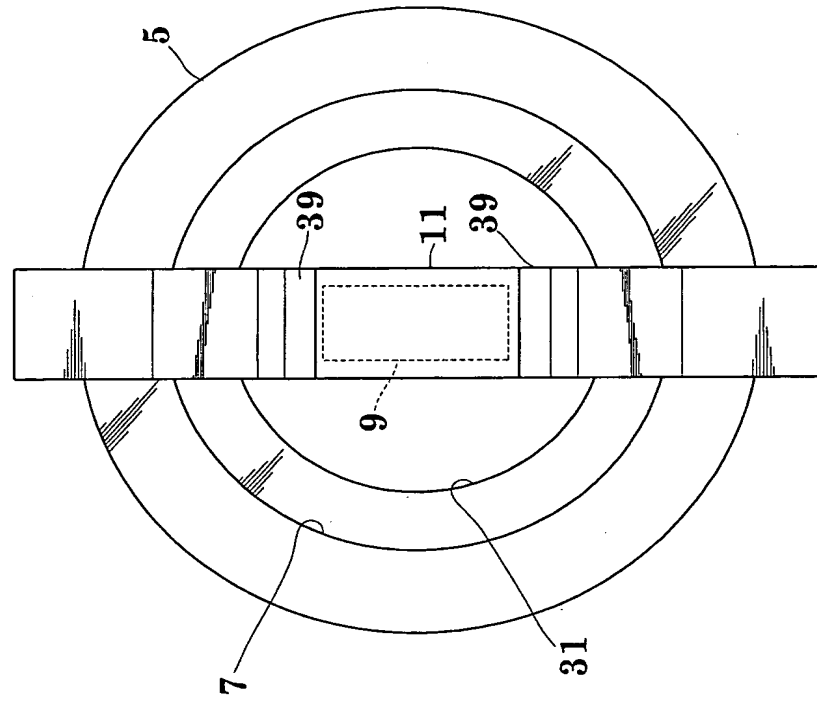


Fig.16A

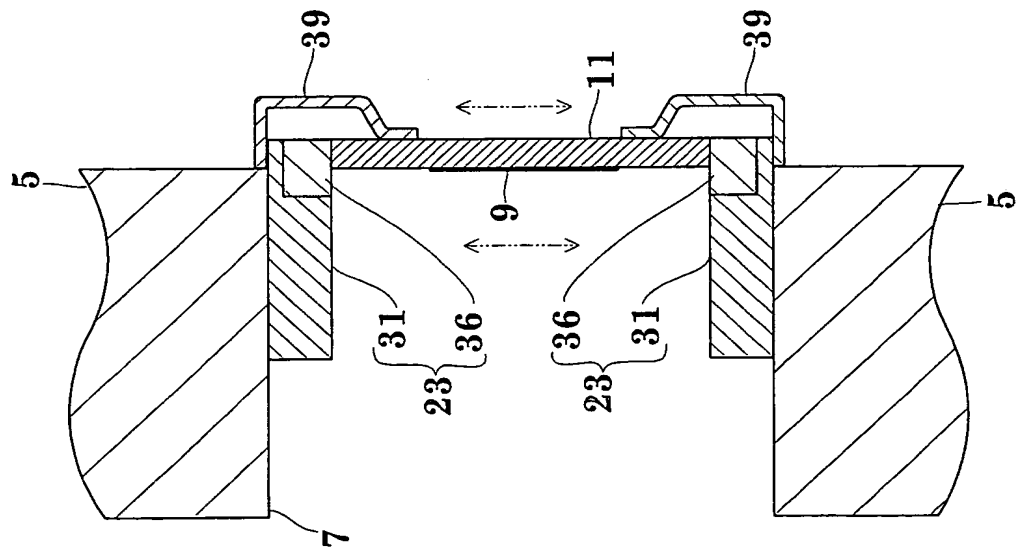


Fig.17

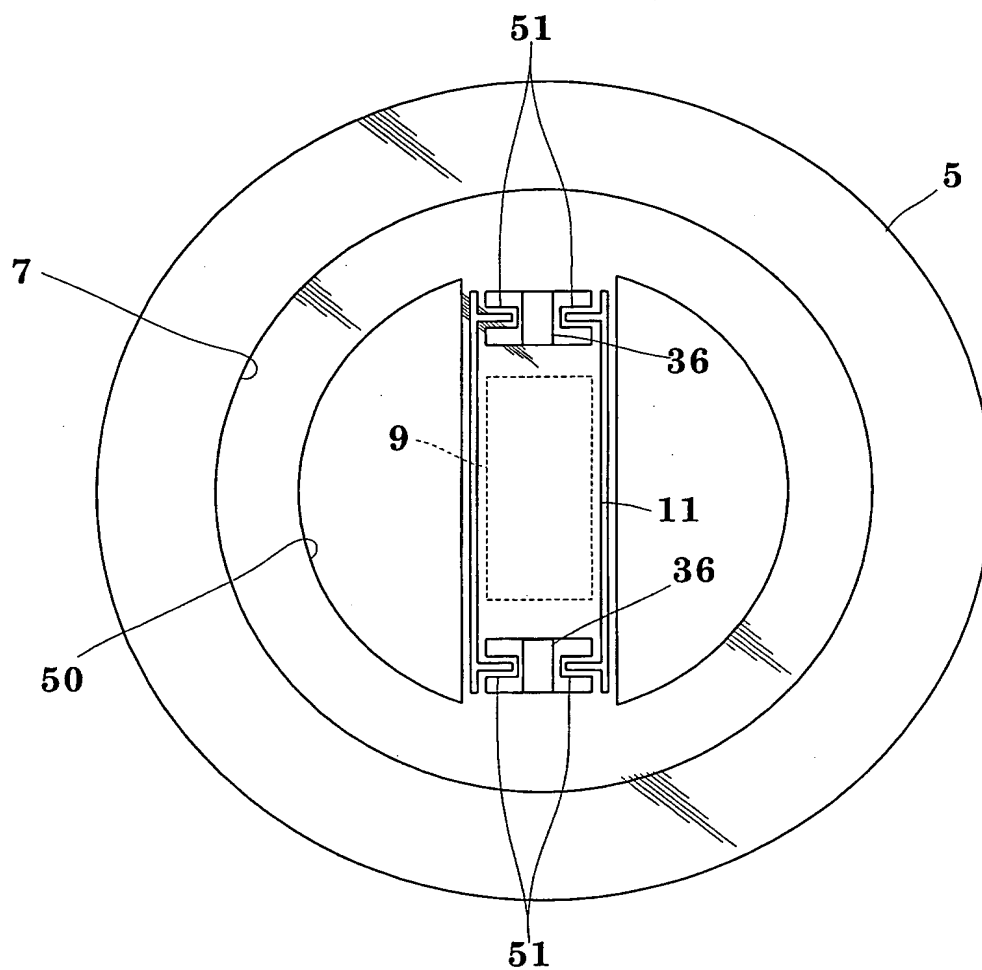


Fig.18

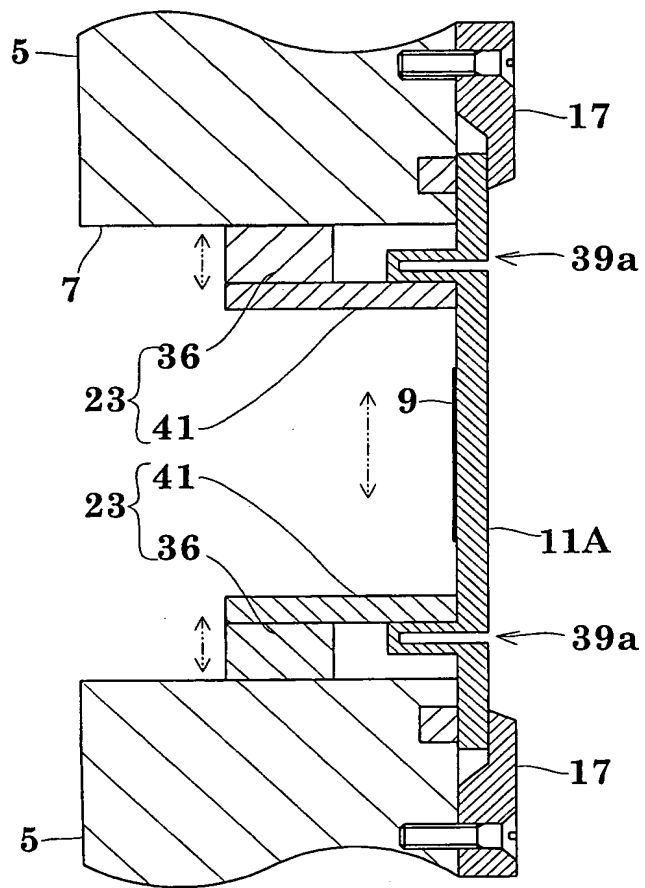


Fig.19

